VIRTUALIZATION CONTROLLER AND DATA TRANSFER CONTROL METHOD

ABSTRACT OF THE DISCLOSURE

Embodiments of the present invention are directed to systems and methods of controlling data transfer between a host system and a plurality of storage devices. One embodiment is directed to a virtualization controller for controlling data transfer between a host system and a plurality of storage devices. The virtualization controller comprises a plurality of first ports for connection with the plurality of storage devices each having a storage area to store data; a second port for connection with the host system; a processor; and a memory configured to store volume mapping information which correlates first identification information used by the host system to access a first storage area in one of the storage devices, with second identification information for identifying the first storage area, the correlation being used by the processor to access the first storage area. When data stored in the first storage area is transferred to a second storage area in one of the storage devices, the processor correlates the first identification information with a third identification information for identifying the second storage area and registers the first identification information and the third identification information in the volume mapping information.

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